

# Department Policies and Procedures for the M. S. Degree Program in Mathematics

This document should be used as a supplement to the information contained in the Graduate Bulletin.

“Upward, not Northward!” – from Flatland, A Romance of Many Dimensions, by Edwin A. Abbott (1884)

## Our Program

The master's degree program in mathematics at the University of South Alabama provides a solid background in mathematics at the introductory graduate level. While the fundamental areas of mathematics – algebra, analysis and geometry/topology – are stressed, it is possible to concentrate in applied areas such as statistics, computer science and biomedical sciences. Our graduates have received assistantships at Ph.D.-granting institutions.





## Special Topics Courses

Occasionally the need arises to offer a course which is not one of the regular courses described in the Graduate Bulletin. This can be done as a Special Topics course (MA 590). Approval is required at the college level by the Graduate Arts and Sciences Program (GASP) Committee. Faculty proposing such a course should submit appropriate documentation to the Department Graduate Committee two quarters in advance of the proposed offering to allow adequate time for review.

## Grades

Graduate students are expected to maintain a GPA of at least 3.0. If your grade point average drops below 3.0, then you will be placed on academic probation. You will have two terms to bring up your average or be dismissed by the Dean of the Graduate School.

## Graduate Assistantship Duties

Graduate assistantships are awarded competitively. Graduate assistantships normally include a complete waiver of tuition. The student is responsible for paying the associated registration fees.

Each graduate assistant will be assigned to work 20 hours per week. Any problems with duties should be reported to the Graduate Coordinator for the Department. The information in this section should be used as a supplement to the Graduate Assistant Information which is available on the Graduate School webpage.

Graduate assistants are required to work in various ways for the Department. The different job assignments are described below. Occasionally, graduate assistants are assigned jobs from different categories, but the total combined work load of 20 hours per week is maintained.

Assistantship students will serve the department as follows.

### I. Recitation Session Leaders

12 hours for Teaching assistant duties. A GTA works with one or two course instructor and holds two pairs of 50-minute recitation sessions, one pair for each course section. Weekly assessment of basic competencies and factual knowledge are given in the form of quizzes, graded and recorded by the GTA. Scores are incorporated into the determination of the final grades. Examinations are given during recitation sessions. The instructor prepares the examinations. The GTA assists with grading. The allotted time allows for preparation and grading.

6 of ce hours per week in the Calculus I tutoring lab (MSPB 205): The tutoring lab is provided as a free service for students taking Calculus I courses.

2 hours for attending department colloquia and pre-colloquia gatherings: The department is a community of scholars. Graduate students have an obligation to attend colloquia. It is also important that they meet and talk with visitors.

Total: 20 hours.

## II. Instructional Lab Assistants

18 hours per week in the Instructional Lab for Developmental Studies.

2 hours for attending department colloquia and pre-colloquia gatherings: The department is a community of scholars. Graduate students have an obligation to attend colloquia. It is also important that they meet and talk with visitors.

Total: 20 hours.

Note: Graduate students who have other duties will receive credit for their pre-assigned hours.

## Graduate Faculty

Gayan Abeynanda	Partial Differential Equations, Resonance, Spectral Theory
Sarah Allred	Graph Theory
Olivia Atutey	Variable/Feature Selection, Nonparametric Statistics, and Statistical Inference
H Frazier Bindele	Nonparametric Statistics, Robust Statistical Methods
Audi Byrne	Math Modeling, Biological Mathematics
Steven Clontz	Set-Theoretic Topology and Continuum Theory
Mark Colarusso	Lie theory, Algebraic Geometry, Representation Theory, Integrable Systems, Poisson Geometry
Jacob Dasinger	Mathematics Education
Joanna Furno	Dynamical Systems
Kevin Grace	Matroid Theory, Graph Theory
Jeffrey Mudrock	Combinatorics, Graph Theory
Madhuri Mulekar	Selection and Ranking Procedures, Sequential Estimation, Testing Procedures, and Statistics Education
Vasiliy Prokhorov	Approximation Theory
Andrei Pavelescu	Group Theory, Graph Theory
Elena Pavelescu	Geometric Topology and Spatial Graphs
Ruchira Perera	